

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number  
WO 2004/083601 A1

(51) International Patent Classification<sup>7</sup>: F04F 5/54, E21B 43/12, F04D 31/00

E21B 43/34,

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(21) International Application Number:

PCT/GB2004/001123

(22) International Filing Date: 17 March 2004 (17.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0306646.1 22 March 2003 (22.03.2003) GB

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

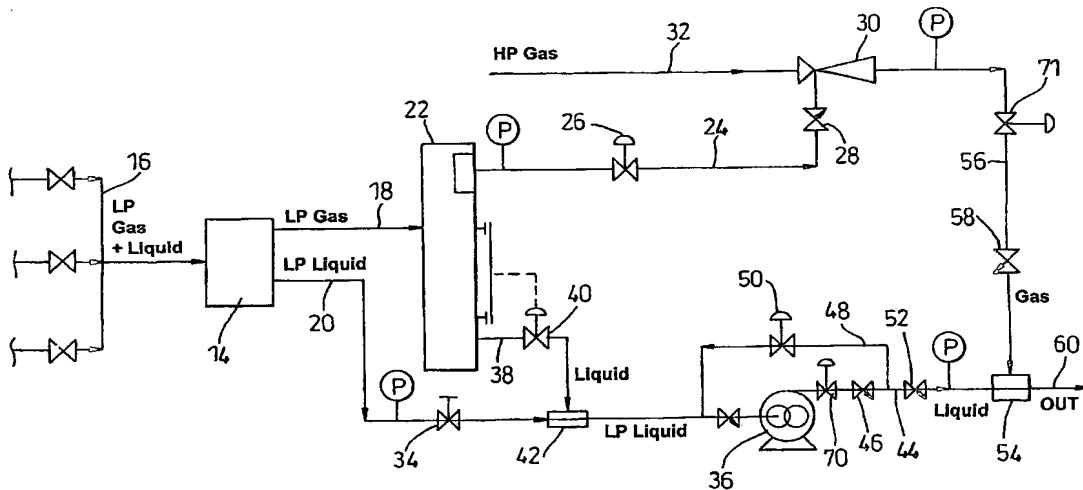
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: A SYSTEM AND PROCESS FOR PUMPING MULTIPHASE FLUIDS



(57) Abstract: A system for pumping multiphase fluids includes a phase separator (14), a gas-gas jet pump (30) and a liquid pump (36). The phase separator (14) receives a LP multiphase fluid and separates a LP gas phase and a LP liquid phase from the LP multiphase fluid. The gas-gas jet pump (30) receives the LP gas phase from the phase separator (14) and a HP gas supply from a sustainable gas source, and has an outlet providing outlet gas at a pressure higher than that of the LP gas phase. The liquid pump (36) receives the LP liquid phase from the phase separator (14), and has an outlet providing outlet liquid at a pressure higher than that of the LP liquid phase.

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